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## Human Powered Vehicle Challenge Comes to Cal Poly April 28-30

SAN LUIS OBISPO – Cal Poly will host the Human Powered Vehicle Challenge, West Coast Competition, Friday, April 28 through Sunday, April 30.

The event is sponsored by the American Society of Mechanical Engineers and is hosted by the Cal Poly Human Powered Vehicle Club. ASME sponsors the Human Powered Vehicle Competition in hopes of finding a design that can be used for everyday activities.

Cal Poly is one of only three schools that have raced in each ASME competition. Cal Poly has been and remains one of the top contenders in the collegiate races, placing in the top four spots for both the sprints and the endurance race in four of the last five years.

Human Powered Vehicles are aerodynamic and highly engineered, some achieving speeds over 60 mph. The competition addresses engineering problem-solving, and the vehicles are judged on design, safety and performance. Participants prepare a comprehensive design report in the first stage of the competition. Stage two includes design presentation and performance events, where the vehicles race against one another.

There are three different vehicle classes: single rider, multi-person and practical. The rider (or riders) can be in upright, prone or recumbent positions. The practical vehicle emphasizes usefulness for daily activities. Vehicles must negotiate a slalom course while carrying packages, going over bumps, potholes or other obstacles, also stopping at signs and obeying the rules of the road. The single and tandem vehicles compete in sprint and endurance events.

Friday is the day for registration, presentations, the safety test and inspections from 3 - 9:30 p.m. at the Fisher Science Building. Saturday will feature sprint racing, 6:30 a.m.-noon, and utility vehicles, 12:30- 3 p.m. The endurance race is 8:30-11a.m. Sunday, followed by the awards barbecue at noon. For more information and event/race maps, go to

<http://studentsections.asme.org/calpoly/HPV/#Schedule> or

[http://www.asme.org/Events/Contests/HPV/Human\\_Powered\\_Vehicle.cfm](http://www.asme.org/Events/Contests/HPV/Human_Powered_Vehicle.cfm).

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